

ABSTRACT OF THE DISCLOSURE

A method and system for determining the spacing of objects is described.

According to the method, input is received that indicates bounds of at least one dimension of a constraint. A set of supplied parameter values associated with a particular type of grid is also received. A set of generated parameter values for the particular type of grid is then generated based on the set of supplied parameter values and the input indicating bounds of at least one dimension of a constraint. A set of points for spacing objects is generated based on the set of supplied parameter values and said set of generated parameter values.

According to one aspect, a set of object information is received that identifies a particular object to be placed on the constraint at locations that are based on the set of points.

According to another aspect, the set of object information identifies a bounding box that is associated with the particular object. The bounding box is then used to generate the set of generated parameters.

According to another aspect, a set of object locations is determined by mapping the set of points to the constraint. In certain aspects, pivot point information is received that specifies the placement of objects relative to the generated set of points. Objects are placed on the target constraint such that the pivot points of the objects coincide with the object locations.